

TIPPECANOE COUNTY BOARD OF COMMISSIONERS

RESOLUTION NO. 2019-08-CM

AUTHORIZING SPECIAL PURCHASING METHOD

WHEREAS, Tippecanoe County wishes to purchase a mobile medical lab customized to the specifications of the Tippecanoe County Health Department;

WHEREAS, Tippecanoe County researched potential vendors and concluded that LDV Custom Specialty Vehicles was the sole source of the vehicle with the necessary customizations within a geographic area that made preliminary decision making, review, acquisition, maintenance, and potential upgrades feasible;


NOW THEREFORE BE IT RESOLVED, that the Board of Commissioners has determined that it is in the best interest of Tippecanoe County to enter into a contract with LDV Custom Specialty Vehicles for the purchase of the mobile unit as described in Exhibit A; and that, such purchase is authorized under sections sections IC 5-22-10-8 and 13.

Duly adopted this 1st day of April, 2019.


BOARD OF COMMISSIONERS OF
TIPPECANOE COUNTY


David S. Byers, President


Tracy A. Brown, Vice President


Thomas P. Murtaugh, Member

ATTEST:


Robert Plantenga, Auditor of
Tippecanoe County



180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 767-2529
Direct: +1 (262) 763-0147
www.ldvusa.com

**PRELIMINARY
SPECIFICATIONS FOR:**

Tippecanoe County (IN)
MOBILE MEDICAL LAB

LDV MODEL # C24MED-33815-17 REV1

DATE
June 14, 2018



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PRICING PAGE:

Total commercial price per unit as specified, FOB Origin \$159,939.00

Delivery charge: Not included \$0.00

Total price per unit	\$159,939.00
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Delivery terms: Ask your Sales Representative

Payment Terms: 50% down payment, 50% due prior to delivery.

Quote is firm for 30 days from specification date.

Quoted price does not include any applicable FET, federal, state or local tax unless specified.

ADD OPTIONS:

- Increased body to 17ft, including Installation of wheelchair lift with access door at rear of vehicle
\$ 11,597.00



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Item	Qty	
1.00		<u>CHASSIS:</u>
1.01	1	<p>2018 Ford Commercial Cutaway E-450 Super Duty, 176" WB, DRW, rear wheel drive, 14,500 GVWR with rear spring suspension.</p> <p><u>Powertrain:</u></p> <ul style="list-style-type: none"> • Engine: 6.8L EFI Triton V10 • Transmission: 6-Speed Automatic w/OD • 4.56 Axle Ratio <p><u>Wheels & Tires:</u></p> <ul style="list-style-type: none"> • Tires: LT225/75Rx16E BSW AS • Wheels: 16" x 6" White Painted Steel <p><u>Seats & Seat Trim:</u></p> <ul style="list-style-type: none"> • Dual High Back Buckets • Vinyl Seat Trim <p><u>Other Options:</u></p> <ul style="list-style-type: none"> • Traction Control • Extra Heavy-Duty 225-Amp Alternator • Heavy-Duty 78-Amp Battery • Telescopic Trailer Tow Mirrors w/Flat Lens • Instrument Panel Electronic Message Center • Power Windows & Locks Group • Cruise Control • Radio: ETR AM/FM Stereo/Digital Clock • Paint Oxford White • Emissions: California Air Resources Board (CARB) – Federal <p><u>CHASSIS WARRANTY:</u></p> <ul style="list-style-type: none"> • Basic 36 month/36,000 miles • Powertrain 60 month/60,000 miles • Corrosion Perforation 60 month/unlimited mileage • Roadside Assistance 60 month/60,000 miles
1.02	1	US DOT triangle reflector kit with three (3) triangles, for compliance with FMCSA regulations. Includes plastic storage case. Kit will be shipped loose in the vehicle.
1.03	1	<p>Custom fabricated Class III receiver hitch (ball mount and ball not included). Includes:</p> <ul style="list-style-type: none"> • Reese Brakeman® IV digital electronic trailer brake control • 7 pole blade style trailer connector. <p>Note: Trailer hitch is rated for 5,000 lbs; however, towing capacity is limited to maximum vehicle Gross Combined Weight Rating (GCWR).</p>
2.00		<u>BODY:</u>
2.01	1	<p>Load space area shall be 84" high x up to 93" wide x 16' long custom aluminum dry van body with the following:</p> <ul style="list-style-type: none"> FRP front wall 040 pre-painted and clear coated smooth aluminum side panels matching vehicle cab One (1) piece .030 aluminum roof 1 1/2" Alum. I-beam sidewall studs 16" centers.



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Item	Qty	
		<p>Closed cell tape between aluminum skin (in lieu of buck rivets) and 1.5" I-beam wall studs.</p> <p>Dense pine sub flooring. 2" x 6" planking.</p> <p>Aero dynamic wind deflector and corner posts</p> <p>Rear of Vehicle to have bar style bumper</p> <p>Sliding bulkhead door is installed between the cab and rear work area of the vehicle. Door is equipped with latch. When door is open, vehicle features direct access to the cab to the operations area.</p> <p>All lights on body to be in compliance with FMVSS 108; exterior lights are to be LED on the body, includes required reflectors; marker lights.</p> <p>Understructure to be aluminum all-welded superstructure; welded roof rafters on 16" centers; interlocking horizontal and vertical studs; cab-to-front wall cover molding seal; bottom body wrap.</p> <p>Heavy-duty 13 gauge steel floor frame on 16" centers.</p> <p>3 years/36,000 miles-Basic body structure: front wall, bulkhead, floor, ceiling, sidewalls, and rear wall with attaching structure</p>
2.02	2	<p>32" wide x 82" high 0.125" aluminum sedan door with 21.5" wide x 25.5" high fixed window. Door shall have continuous stainless steel piano hinge, two (2) nylon door straps and an aluminum drip rail.</p> <p>NOTE: Interior window covering will be a mini blind.</p>
2.03	2	Stainless steel handrail assembly for stepwell, includes integral angled assist rail.
2.04	2	24" Single C manually operated exterior entrance step X053W951247 (or current model).
2.05	6	<i>Evergrip</i> 20" treadplate step cover - Shore Grade, Black with yellow lip.
2.06	1	Entire underside shall be undercoated. Includes chassis, floor extrusions, step wells and aluminum compartments.
2.07	1	LDV rear mud flaps. Includes anti-sail brackets when required.
3.00		<u>PAINT / GRAPHICS:</u>
3.01		Body base color shall be white.
3.02	1	<p>Custom computer-generated 22kt gold leaf film graphics per customer specifications. Includes up to seventy 8"-10" letters and up to forty-five 3"-6" letters. All lettering shall be shaded or outlined</p> <p><i>Note:</i> Graphics package does not include production of custom shields and/or seals.</p>
3.03	5	Custom computer-generated non-reflective vinyl shield. Customer shall supply true vector artwork required to produce shield.
4.00		<p><u>INDEPENDENCE ONYX INTERIOR:</u></p> <ul style="list-style-type: none"> • Wall Covering: #66 Silver Smooth FRP • Ceiling Fabric: Silver Mist • Floor Covering: #150 Onyx PVC Flooring • Office Chairs: Black • Vinyl Coverings: #WH1-2140 Whisper Black • Cabinets: #EBT-2-2002 Black Powder Coated Aluminum available in RAL-7035 Grey (refer to Cabinet Section for material detail) • Counters and Tables: #4880-38 Carbon Mesh Laminate



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		(refer to Cabinet Section for material detail) Note: Manufacturer reserves the right to substitute equivalent materials.
5.00		<u>DRIVER / PASSENGER CAB AREA:</u>
5.01		<ul style="list-style-type: none"> • Vehicle height sign on dash. • Vehicle shall have a Final Stage Vehicle Certification and Altered Vehicle Certification as required by Federal Motor Vehicle Safety Standards (FMVSS) 49 CFR Part 567.5 and 567.7 • Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.
5.02	1	Zone Defense color back up camera system with 7" LCD monitor and day/night camera. Camera includes a microphone for audio commands from a spotter to the driver during backing operations.
6.00		<u>WALLS, CEILING AND FLOOR:</u>
6.01		Install wood furring strips on interior body side posts and roof supports to provide space for the installation of insulation, conduit and electrical boxes.
6.02		Insulate walls with a minimum of 2-1/2" of fiberglass insulation. Cover interior body side posts with 1/2" plywood sub wall.
6.03		Cover sub wall with smooth finish <i>Kemlite</i> 0.075" fiberglass reinforced plastic (FRP) lining. Wall covering shall be a continuous piece front to back, no seams acceptable.
6.04		Insulate ceiling with a minimum of 2-1/2" of fiberglass with an R-11 rating. Cover interior roof supports with 1/2" plywood.
6.05		Cover sub ceiling with Silver Mist headliner material.
6.06		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.
6.07		<i>Lonseal</i> Loncoin II Flecks 150 Onyx non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
6.08	1	30" FRP covered pocket door installed on heavy-duty aluminum track with two (2) four-wheel roller trucks. Pocket door shall have recessed handles and a latch to keep the door closed.
6.09		All bulkheads shall be covered with <i>Kemlite</i> 0.075" FRP. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
6.10	2	Cover load space door with powder coated aluminum panel with heavy-duty rubber grab handle. NOTE: Interior window covering will be a mini blind. Powder coat color will be black.
6.11	1	Add tinting to windows in load space and cab side windows. (LIMO-TINT)
7.00		<u>GALLEY / LAVATORY:</u>
7.01	1	<i>Norcold</i> model DE0041R (or current model) 12Vdc/120Vac refrigerator. Refrigerator has the following features: <ul style="list-style-type: none"> • 3.6-cu.ft. Capacity. • Full width freezer compartment. • Adjustable door bins for various size containers. • Integrated door latches. PRODUCTION NOTE: Flush mount
7.02	1	Hand pump galley water system. Includes: <ul style="list-style-type: none"> • Rectangular stainless steel sink. • Self priming hand pump faucet.



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Item	Qty	
		<ul style="list-style-type: none"> • Five-gallon fresh water tank installed in cabinet below sink. • Five-gallon gray water tank installed in cabinet below sink.
7.03	1	<p>Laveo DryFlush Chemical Free Odorless Portable Lightweight Electric Waterless Toilet. Refill changes are simple with double bagging technology.</p> <p>Includes:</p> <ul style="list-style-type: none"> • (1) Liner and refill, each refill provides 17 flushes • (1) 120Vac adapter • (1) 120Vac receptacle for power connection
7.04	1	Laveo Dry flush refill cartridges (3) Pack.
7.05	1	<p>Lavatory amenities including:</p> <ul style="list-style-type: none"> • Sani-Dex Antimicrobial disposal 135 count hand wipe canister with wall bracket. Wipes comply with OSHA guidelines. • Waste basket • Toilet tissue holder
7.06	1	Purell model 2220 wall mount hand sanitizer dispenser.
7.07	1	Bobrick B-165 18" x 24" one-piece channel frame mirror with bright polished finish and mitered corners.
8.00		<u>SEATING:</u>
8.01		Fabricate and install fixed bench seating with removable cushions as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl.
8.02		Fabricate and install flip-down bench seating as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl. Bottom seat cushion will be installed on Zico Quic-Seat® fold down spring loaded seat brackets.
8.03		<p><u>BENCH SEAT REQUIREMENTS:</u></p> <ul style="list-style-type: none"> • Foam for seat backs and bottoms shall be firm density. • All bench seating material must meet Federal Motor Vehicle Safety Standards part 571.302 Flammability of Interior Materials. • Material corners shall be squared or angled to fit precise cut of foam. • Foam shall be bonded to plywood backer with industrial grade adhesive. • Attachment of fabric/vinyl to backer shall utilize industrial grade upholstery staples.
9.00		<u>CABINETS:</u>
9.01		Radius edging incorporated as design permits.
9.02	7	Dry erase writing surface on overhead cabinet door.
9.03	7	Gas spring lift supports on overhead cabinet door.
9.04	12	Key lock on cabinet door.
9.05		Countertops shall be covered in 0.040" Wilsonart laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
9.06	1	120/240Vac Control Center, 12Vdc power panels, master disconnect switch and auto resetting breakers shall be located in cabinet as shown on drawing.
9.07	1	Small specimen door. Access from bathroom to upper cabinet for specimen storage.
10.00		<u>HVAC SYSTEM:</u>
10.01	2	<p>Coleman Mach 8 series low profile air conditioner with wall mounted thermostat. Includes:</p> <ul style="list-style-type: none"> • 13,500 nominal Btu/hr air conditioner with condensate pump.



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		<ul style="list-style-type: none"> • Ceiling assembly with 6,000 Btu/hr heat strip • Wall mounted thermostat
10.02	1	Broan model 174 wall mount 5,120 Btu/hr electric heater. Located as shown on drawing.
10.03	1	Espar B2 7,500 BTU direct discharge, 12Vdc powered, gasoline-fired furnace with individual thermostat control. Exhaust shall be routed to the street side.
11.00		<u>AC ELECTRICAL SYSTEM:</u>
11.01	1	<p>Onan Commercial QG 7000 7kW 120 volt AC generator HGJAE (or current model) mounted in custom fabricated all aluminum compartment. Product features:</p> <ul style="list-style-type: none"> • Sound rating at 10 ft (3 m) full load: 70 dB(A) • Cummins Onan OHV engine • Overspeed/underspeed protection • Fuel consumption is as follows: 50% load = 0.73 GPH, full load = 1.22 GPH <p>Compartment shall be constructed to the following specifications:</p> <ul style="list-style-type: none"> • Compartment shall be constructed from 0.187" aluminum with all welded seams. • Compartment shall have 0.125" aluminum 2" box pan doors and 0.125" aluminum frames. • Door frames shall be riveted to the body and welded to the compartments. • Doors shall have stainless steel hinges attached to the doors and door frames with stainless machine screws. • Doors shall have slam latches and flush mounted handles. • Doors shall have 0.125" perforated aluminum panels on interior surfaces. • Doors shall be held open in a 90° position with gas charged lift/support cylinders. • Doors shall be sealed with industrial grade neoprene gasket. <p>NOTE: Generator exhaust shall be routed to the street side of the vehicle.</p>
11.02	1	<p>60A-120/240Vac and 12Vdc combined electrical control panel with the following features:</p> <ul style="list-style-type: none"> • Generator and shore power main breakers • Six (6) AC UL listed magnetic/hydraulic branch circuit breakers with LED indicators • Six (6) DC UL listed magnetic/hydraulic circuit breakers with LED indicators • Digital AC meters: voltage, amperage • Digital DC voltmeter • Generator stop/start switch, generator hour meter
11.03	1	<p>Marinco 50A-125/250Vac shore power package including:</p> <ul style="list-style-type: none"> • Waterproof shore power inlet with cap • 50-ft. 50A-125/250Vac shore power cord • 6-ft. 50A-125/250Vac pigtail
11.04	6	20A-125Vac duplex receptacle. Receptacle is not dedicated to any installed equipment.
11.05	1	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment.
11.06	1	<p><u>120/240VAC HEALTH CARE GRADE WIRING REQUIREMENTS:</u></p> <ul style="list-style-type: none"> • All 120/240Vac main wiring shall be stranded THHN wire and run in non-metallic Carlon Carflex liquid tight conduit. • All branch circuit wiring in patient care areas shall be armored THHN wire (12 AWG minimum) with redundant ground (type HCF) in accordance with NEC® Articles 517 and 330. • AC branch circuit wiring in non-patient care areas shall be stranded THHN wire (12 AWG minimum) and run in non-metallic Carlon Carflex liquid tight and Carlon Flex-Plus blue ENT conduit.



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Item	Qty	
		• All electrical circuits and appliances shall conform to applicable health care and national electrical codes.
12.00		<u>DC ELECTRICAL SYSTEM:</u>
12.01	1	60 amp electronic converter/charger. Product features: <ul style="list-style-type: none"> • Charges up to three banks of batteries at the same time. • UL listed for safety. • Manual reset circuit breaker. • Reverse battery protection. • Electronic current limiting. • High voltage protection.
12.02	1	Two (2) 6V Deep Cycle Glass Mat Batteries mounted in the interior in custom fabricated sealed battery box vented to exterior.
12.03	1	Battery combiner automatically combines the battery banks during charging and isolates when no charging sensed on either bank. A three position control switch allows an operator to manually combine or separate batteries, to jump start engine or troubleshoot a failure.
12.04	1	Dual Auxiliary Battery Disconnect System. Enables auxiliary battery disconnect to be activated from cab or load space area.
12.05	10	Light, Orion 6" LED, neutral white with polished bezel.
12.06	3	Whelen 810 Series white quartz halogen scene light with 8-32° optics, model number 810CA0ZR.
12.07		<u>12VDC WIRING REQUIREMENTS:</u> <ul style="list-style-type: none"> • 2-gauge minimum copper stranded battery cable shall be used for 12Vdc main supply lines. All cable runs shall be full length, no splices. All cable terminals shall be staked and soldered. All cable shall be enclosed in convoluted polyethylene tubing and the ends of the cable shall be sealed with color-coded shrink-wrap identifying the function of the cable. • All added electrical branch circuits shall be protected from over-current by resettable circuit breakers appropriately rated for the load. Only circuit breakers shall be used in the installation of added electrical branch circuit wiring (plug type fuses are unacceptable). • Circuit breaker functions shall be identified by engraved or printed labels. • All added wiring for load runs of AWG 10, 12, 14, and 18, shall conform to MIL-W-16878/2 and/or UL1007/1569" • All added wiring for load runs of AWG 8, shall conform to MIL-W-16878/3 and/or UL1028 • Wire terminals for added circuits must conform to MIL-T-7928. Terminals shall be insulated, insulation grip, TYPE II, CLASS 2 and shall be crimped with tooling recommended by the terminal manufacturer. • All wiring shall be numbered or lettered on 6" centers minimum. • Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required. • Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms. • All wire bundles shall be tied with trimmed nylon ties. • Extreme care shall be exercised to provide for easy serviceability of the system in future years. • Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas. • A high-current 12Vdc system wiring schematic shall be provided. • These are the minimum acceptable 12Vdc wiring requirements.



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Item	Qty	
13.00		<u>MEDICAL EQUIPMENT:</u>
13.01	2	<p>Brewer BRE-1500 Blood Drawing Chair</p> <p>Mechanism:</p> <ul style="list-style-type: none"> • Armrest height adjustable via taper-lock knob • Armrest height adjustment: 29"-38" • Drawer height adjustment: 29"-38" <p>Specification:</p> <ul style="list-style-type: none"> • Armrests are angled 15° to create easier access to the patient's arm • Seat Height from floor = 22.5" <p>Features:</p> <ul style="list-style-type: none"> • Drawer has easy to clean surface (12"x8") and easily attaches to the left or ride side of the chair • Interior plastic lining creates a seamless and easy to clean drawer • Two standard add-on work surfaces accommodate prep materials and vials • Work surfaces and drawer top covered in a bacteriological, chemical, and fungal resistant material • Armrests are easily removable to accommodate space constraints • Easy to clean, seamless upholstery • Durable, powder-coated welded frame <p>Upholstery Color:</p> <ul style="list-style-type: none"> • 18 standard color options • Beige chair frame <p>Shipping Info:</p> <ul style="list-style-type: none"> • Seven-day lead time • Shipping weight: 52 lbs. • Box Dimensions: 24"x25"x34" <p>Warranty:</p> <ul style="list-style-type: none"> • 5 years
14.00		<u>TELEPHONE SYSTEM:</u>
14.01	1	Wilson weBoost Drive 4G-M Cell Phone Booster Kit model 470108.
14.02	1	NMO mount cellular antenna.
14.03		All telephone lines and cellular antenna cable shall be installed in Carlon Flex-Plus ENT conduit or raceway (as applicable).
15.00		<u>EXTERIOR STORAGE COMPARTMENTS:</u>
15.01	1	Single door underbody storage compartment with approximate interior dimensions up to 12" high x up to 48" wide x 25" deep constructed from 0.125" aluminum with all welded seams.
15.02		<p>Compartments listed above will be constructed to the following specifications:</p> <ul style="list-style-type: none"> • Sweep out type bottoms with 1/2" drain holes. • 2" box pan doors and door frames fabricated from 0.125" aluminum. • Door frames shall be riveted to the body and welded to the compartments. • Compartments shall have an LED light that illuminates when the door is opened. <p>Compartment doors will be constructed to the following specifications:</p> <ul style="list-style-type: none"> • Stainless steel hinges attached with stainless machine screws. • Slam latches and flush mounted handles. • 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware. • All doors shall be sealed with industrial grade neoprene gasket.



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Item	Qty	
16.00		MISCELLANEOUS OTHER:
16.01	1	5 pound dry chemical fire extinguisher.
16.02	1	Battery powered combination Carbon Monoxide and Smoke alarm.
16.03	1	<p>Complete manual set, including the following (as applicable):</p> <ul style="list-style-type: none"> • As-built specifications with interior and exterior drawings as used for production of the vehicle. • Chassis and body owner's manuals. • 12Vdc and 120Vac legends showing wire gauge, color, number and function. • 12Vdc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels. • Roof top antenna placement drawing and legend identifying antenna placements and termination points. • Audio/Video cabling diagram. • Warranty and Return Authorization procedures. • Chassis and generator maintenance and service logs. • Battery maintenance information. • All individual component manuals and warranty registration cards as provided by component manufacturers. Customer is responsible for completing warranty cards and mailing them to manufacturers.
16.04	1	<p>TRAINING. An LDV representative will provide up to four (4) hours of orientation on LDV provided systems, as applicable:</p> <ul style="list-style-type: none"> • Generator start up and shut down procedure • Leveling system operation • AC and DC electrical systems operation • HVAC systems operation • Mast operation • Audio/Video system operation, does not include programming VCR's, TV's, etc. • Alarm operation • Awning operation
16.05		LDV warranty, covering 1 year or 12,000 miles for manufacturer's defects in materials and workmanship. Refer to LDV warranty statement for details of warranty coverage.
16.06		<p>Note: Project scope does not include certain tasks or costs that are the responsibility of the customer unless clearly specified as LDV supplied. These items include, but are not limited to:</p> <ul style="list-style-type: none"> • Radio and telephone system programming. • Activation and service fees for cellular telephones, satellite telephones, satellite TV, satellite internet access. • Loading and configuring computer software. <p>In the event of a discrepancy between the drawing and specification, the specification will supersede. LDV reserves the right to make substitutions of equal quality and specifications of those listed in this document.</p> <p>Some component models change frequently. In the event that a specified component model becomes unavailable at the time LDV attempts to source it, LDV will provide a replacement model with equivalent or better features, as agreed upon with the customer.</p>